

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

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Claim 1 (Previously presented): A replication-competent bovine adenovirus vector comprising an intron and a heterologous transgene, wherein said transgene comprises a nucleic acid sequence that is susceptible to splicing events and is inserted into the E3 region of said vector, wherein said intron is located 5' to the heterologous transgene, and wherein said vector is capable of expressing greater levels of the heterologous transgene than a comparable bovine adenovirus vector comprising the heterologous transgene and lacking an intron 5' to said heterologous transgene.

Claim 2-4 (Canceled).

Claim 5 (Previously presented): The adenovirus vector of claim 1, wherein said bovine adenovirus vector is a member of subgroup 1 bovine adenovirus or subgroup 2 bovine adenovirus.

Claim 6 (Previously presented): The adenovirus vector of claim 5, wherein said bovine adenovirus vector is BAV3.

Claim 7 (Original): The adenovirus vector of claim 1, wherein said transgene encodes a eucaryotic or prokaryotic protein.

Claim 8 (Previously presented): The adenovirus vector of claim 1 wherein said transgene encodes a protein capable of eliciting an immune response.

Claim 9 (Withdrawn): The adenovirus vector of claim 7, wherein said transgene encodes a protein from a pathogen.

Claim 10 (Previously presented): The adenovirus vector of claim 1, wherein said transgene encodes an RNA viral protein.